

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|---|
| Applicant's or agent's file reference 02 DC 33 E | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/IT 02/ 00784 | International filing date (day/month/year) 12/12/2002 | (Earliest) Priority Date (day/month/year) |
| Applicant BIANCHI, Gianfranco | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.
☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

Cooled electrical generator

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 02/00784

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02K9/00 F02B63/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02K F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 4 658 771 A (RAVIN ROBERT H) 21 April 1987 (1987-04-21) | 1 |
| Y | column 2, line 37 -column 2, line 64; figures 1,2 | 2 |
| A | column 4, line 24 -column 4, line 34 | 3 |
| X | DE 100 01 618 A (MEULEMAN ANDRE) 19 July 2001 (2001-07-19) | 1 |
| | column 1, line 3 -column 1, line 35; figure 1 | |
| Y | US 4 173 951 A (ISHIHARA MASAMITSU) 13 November 1979 (1979-11-13) | 2 |
| A | column 1, line 59 -column 2, line 64; figure 1 | 5 |
| | --- -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

20 June 2003

Date of mailing of the international search report

03/07/2003

Name and mailing address of the ISA

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Kugler, D

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The invention relates to an operating unit (1) in which an internal-combustion engine (3) operates an electric power generator (5).

The unit also has associated a cooling apparatus such as a heat pump whose compressor (4) is actuated by the internal-combustion engine, while the evaporator or at least one part thereof allows cold air to be obtained for cooling the generator.

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Minimum documentation searched (classification system followed by classification symbols)

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Kugler, D

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | DE 29 19 237 A (MOTOREN WERKE MANNHEIM AG) 27 November 1980 (1980-11-27) page 2, line 9 -page 2, line 22 page 7, line 5 -page 7, line 11; figures 1,2 --- | 4,8 |
| A | DE 31 43 366 A (BEDIA MASCHF VERWALT) 11 May 1983 (1983-05-11) page 9, line 31 -page 10, line 8 page 14, line 16 -page 14, line 32; figures 1-4 ----- | 10 |

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|---|---|---------------------|----------------------------|-------------|---------------------|
| US 4658771 | A | 21-04-1987 | US | RE33051 E | 12-09-1989 |
| DE 10001618 | A | 19-07-2001 | DE | 19954993 A1 | 17-05-2001 |
| | | | DE | 10001618 A1 | 19-07-2001 |
| | | | DE | 10002759 A1 | 26-07-2001 |
| US 4173951 | A | 13-11-1979 | DE | 7736582 U1 | 16-03-1978 |
| DE 2919237 | A | 27-11-1980 | DE | 2919237 A1 | 27-11-1980 |
| DE 3143366 | A | 11-05-1983 | DE | 3143366 A1 | 11-05-1983 |